OC-3 4x1 Regeneration Tap

Net Optics 4x1 OC-3 Regeneration Taps solve the key physical layer challenges of multi-device monitoring for OC-3 networks. For a complete picture of network health, these Taps connect four different network management and security devices at any single OC-3 network location.

Keep your intrusion detection and prevention systems, protocol analyzers, RMON probes, and other security devices productive with a single Regeneration Tap. Maximize resources and save on access points when multiple devices can monitor link traffic simultaneously through a single Regeneration Tap. Secure, passive access for multiple devices simply means a better return on monitoring investments.

Without an IP address, monitoring devices are isolated from the network, dramatically reducing their exposure to attacks. However, the monitoring device connected to the Tap still sees all full-duplex traffic as if it were in-line, including Layer 1 and Layer 2 errors.

Passive, Secure Technology

- Enables real-time, simultaneous monitoring of a single OC-3 link with four monitoring devices
- Supports passive monitoring at 155 Mbps
- No IP address is needed for the Tap or monitoring device, enhancing monitoring security

Ease of Use

- LED indicators show redundant power, speed, link, and activity status
- Front-mounted connectors support easy installation and operation
- Connectors are perfectly angled to reduce cable strain
- Silk-screened application diagram illustrates all connections for easy deployment
- Optional custom monitoring cables support easy full-duplex monitoring by sending each side of the signal to a separate monitoring device NIC
- Tested and compatible with all major manufacturers' monitoring devices, including protocol analyzers, probes, and intrusion detection/prevention systems

Technical Specifications:

Operating:

Operating Temperature: 0°C to 55°C
Storage Temperature: -10°C to 70°C
Relative Humidity: 10% min, 95% max, non-condensing

Mechanical:

Power Supply:
Input: 100-240VAC, 0.5A, 47-63Hz
Dimensions: 1.75" high x 10.5" deep x 17" wide

Splitter:

Split Ratio: 50/50
Fiber Type: Multimode Corning 62.5µm, wavelength 1300nm
Insertion Loss:
Network Port: 4.5 dB, Monitoring Port: 4.5 dB max

Fiber Type: Singlemode Corning 8.5µm, wavelength 1310nm
Insertion Loss:
Network Port: 3.7 dB, Monitoring Port: 3.7 dB max

Fiber Optic Interface:

Laser: Class I, eye-safe, laser emitter type. These Class I Lasers conform to the applicable requirements per US 21 CFR (J) and EN 60825-1, also UL 1950 applications.
Optical Transmitter Wave Length: 1300nm nominal
Output Power: -19 dB min, -14 dB max
Optical Receiver Input Sensitivity: -14 dB min, -31 dB max

Optical Transmitter Wave Length: 1310nm nominal
Output Power: -15 dB min, -8 dB max
Optical Receiver Input Sensitivity: -31 dB max

Connectors:

Monitoring Ports: (4) Duplex SC connectors
Network Ports: (2) Duplex SC connectors

Certifications:

Fully RoHS compliant

Part Number	Description
RGN-MM-OC3-IL4*	OC-3 4x1 MM Regeneration Tap
RGN-SM-OC3-IL4*	OC-3 4x1 SM Regeneration Tap

*Also available in 8x1 and 2x1 models. All products include a 1 year manufacturer's warranty. An additional 1 or 2 year extended warranty may also be purchased.

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